Waseem Raja

List of Publications by Year
in descending order

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23 papers	401 citations	840776 11 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	703 citing authors

#	Article	IF	Citations
1	Electrode metallization for scaled perovskite/silicon tandem solar cells: Challenges and opportunities. Progress in Photovoltaics: Research and Applications, 2023, 31, 429-442.	8.1	18
2	3â€D Modeling of Ultrathin Solar Cells with Nanostructured Dielectric Passivation: Case Study of Chalcogenide Solar Cells. Advanced Theory and Simulations, 2021, 4, 2100191.	2.8	4
3	Ligand-bridged charge extraction and enhanced quantum efficiency enable efficient nâ€“iâ€“p perovskite/silicon tandem solar cells. Energy and Environmental Science, 2021, 14, 4377-4390.	30.8	79
4	Photon recycling in perovskite solar cells and its impact on device design. Nanophotonics, 2021, 10, 2023-2042.	6.0	29
5	Charge Carrier Recombination at Perovskite/Hole Transport Layer Interfaces Monitored by Time-Resolved Spectroscopy. ACS Energy Letters, 2021, 6, 4155-4164.	17.4	20
6	Performance analysis of circularly photonic crystal fiber for orbital angular momentum mode generation. Optical Engineering, 2019, 58, 1.	1.0	8
7	Hybridâ€State Dynamics of Dye Molecules and Surface Plasmon Polaritons under Ultrastrong Coupling Regime. Laser and Photonics Reviews, 2018, 12, 1700176.	8.7	25
8	Development of a collinear laser spectrometer facility at VECC: First test result. Pramana - Journal of Physics, 2018, 90, 1.	1.8	0
9	The blue light in a ladder system: from double resonance optical pumping to Autler-Townes splitting. European Physical Journal D, 2018, 72, 1.	1.3	3
10	Band-edge oscillator strength of colloidal CdSe/CdS dot-in-rods: comparison of absorption and time-resolved fluorescence spectroscopy. Nanoscale, 2017, 9, 4730-4738.	5.6	9
11	Perovskite Nanopillar Array Based Tandem Solar Cell. ACS Photonics, 2017, 4, 2025-2035.	6.6	24
12	The blue light indicator in rubidium 5Sâ€“5Pâ€“5D cascade excitation. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	7
13	Non-contact control of two-photon absorption. Applied Optics, 2017, 56, 8340.	1.8	4
14	Experimental identification of unique angular dependent scattering behavior of nanoparticles. Journal of the European Optical Society-Rapid Publications, 2017, 13, .	1.9	1
15	Dynamics of Strong Coupling between Jâ€Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays. Advanced Functional Materials, 2016, 26, 6198-6205.	14.9	40
16	Strong Coupling: Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays (Adv. Funct. Mater. 34/2016). Advanced Functional Materials, 2016, 26, 6197-6197.	14.9	1
17	Broadband absorption enhancement in plasmonic nanoshells-based ultrathin microcrystalline-Si solar cells. Scientific Reports, 2016, 6, 24539.	3.3	38
18	Disentangling the Role of Shape, Ligands, and Dielectric Constants in the Absorption Properties of Colloidal CdSe/CdS Nanocrystals. ACS Photonics, 2016, 3, 58-67.	6.6	34

#	Article	IF	Citations
19	Stacked optical antennas for plasmon propagation in a 5 nm-confined cavity. Scientific Reports, 2015, 5, 11237.	3.3	9
20	Light-trapping in photon enhanced thermionic emitters. Optics Express, 2015, 23, A1220.	3.4	14
21	Perovskite nanowire based multijunction solar cell. , 2015, , .		2
22	Effect of Ag doping on opto-electrical properties of CdS thin films for solar cell applications. Journal of Alloys and Compounds, 2014, 609, 40-45.	5.5	32
23	Modelling of photorefractive crystal grating mirrors. , 2013, , .		0